



# **AB 32: The California Global Warming Solutions Act of 2006**

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**Air Resources Board**  
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# Outline

- Overview of the ARB
- AB 32: The Global Warming Solutions Act of 2006
- Scoping Plan development

# Air Resources Board

- Part of Cal/EPA
- Eleven appointed Board members
- Primary legal mandates:
  - Ensure continuous progress toward attaining health-based air quality standards
  - Reduce public exposure to toxic air contaminants

## **ARB & EJ Issues**

- ARB adopted EJ Policies and Actions on December 13, 2001
  - Commit to make environmental justice considerations a standard practice
  - Require discussion of how proposed major programs, policies and regulations treat people of all races, cultures, geographic areas and income levels, especially low-income and minority communities
  - Strengthen outreach to local communities
  - Work to meet air quality standards and reduce health risks from toxic air contaminants

## **ARB's Diesel Control Program**

- Trash trucks
- Public fleets
- Construction and industrial equipment
- Diesel trucks (Fall 2008)
- Stationary engines/agricultural engines
- Cargo-handling equipment
- Shore-side power for ships in port
- Reduced ship speeds
- Harbor craft
- Incentives – Moyer and Prop 1B

## **Other ARB Air Toxic Programs**

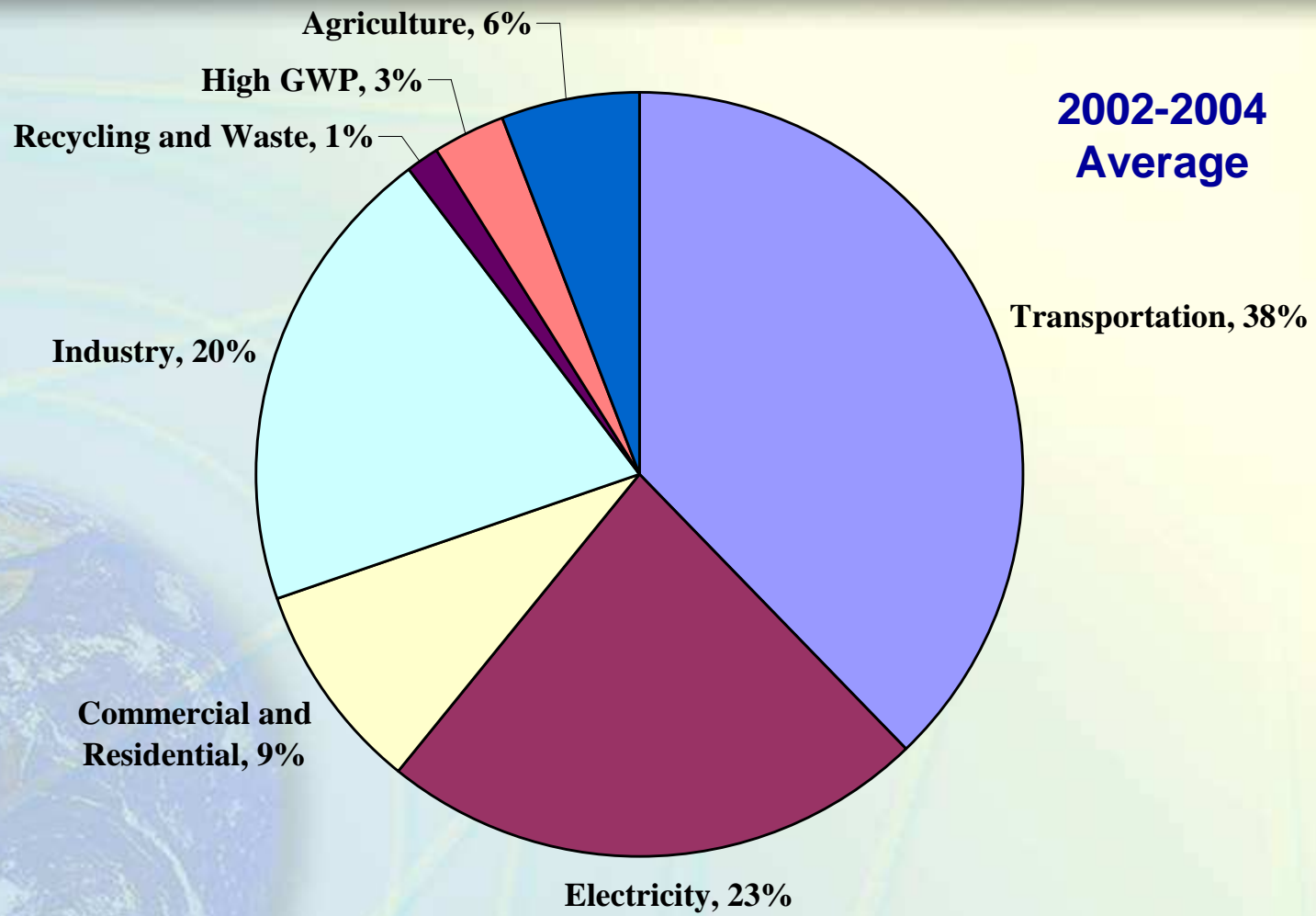
- Chrome platers

## What Is AB 32?

- Legislation outlining plan to reduce GHGs
- Codifies 2020 GHG limit at 1990 level
  - Acknowledges that 2020 is not the endpoint
- ARB to monitor/regulate GHG sources
- Creates Environmental Justice Committee
- Air Resources Board lead, but extensive collaboration with other agencies

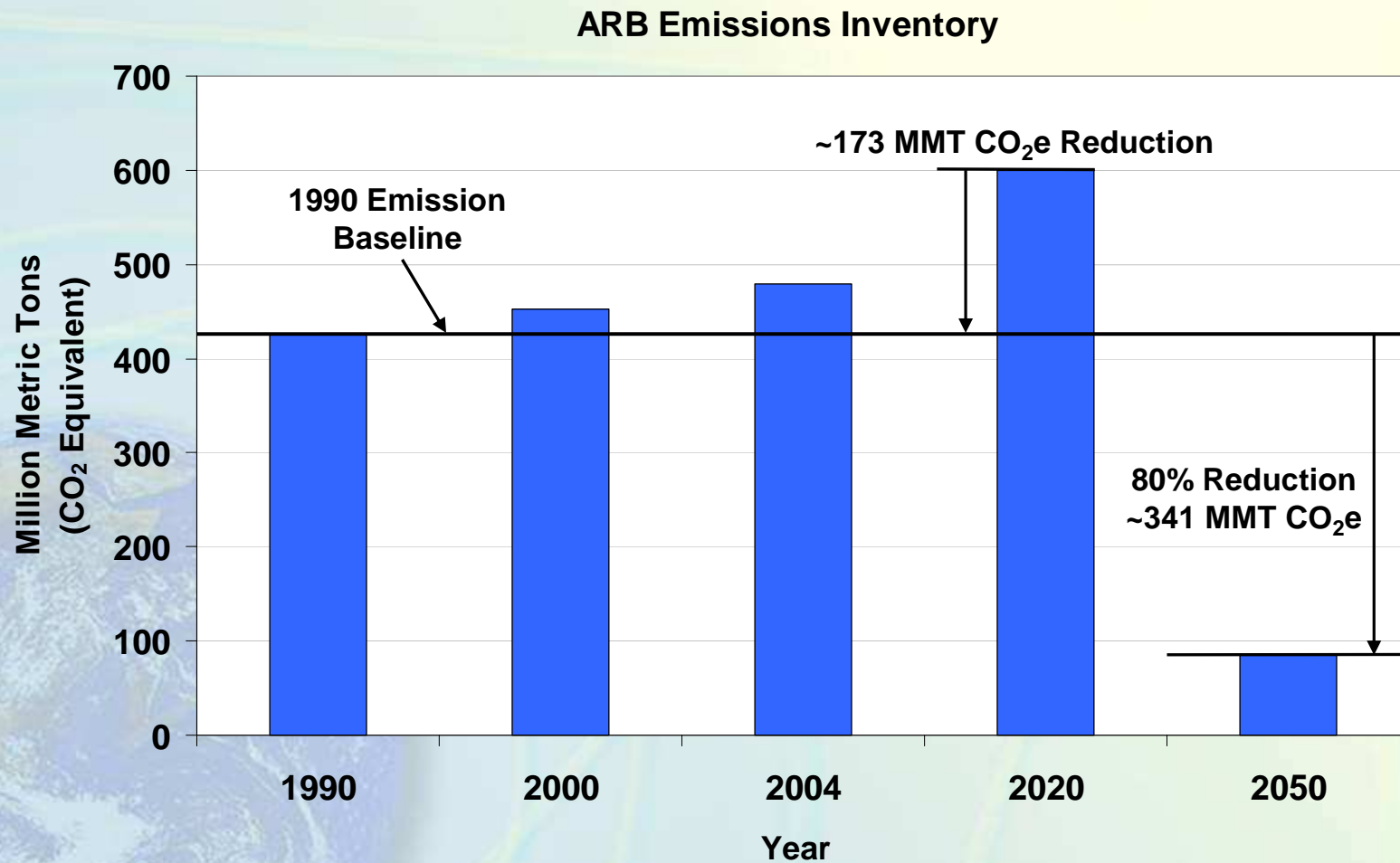
Large new effort, but must not detract from ARB's health-based programs

# California GHG Emissions

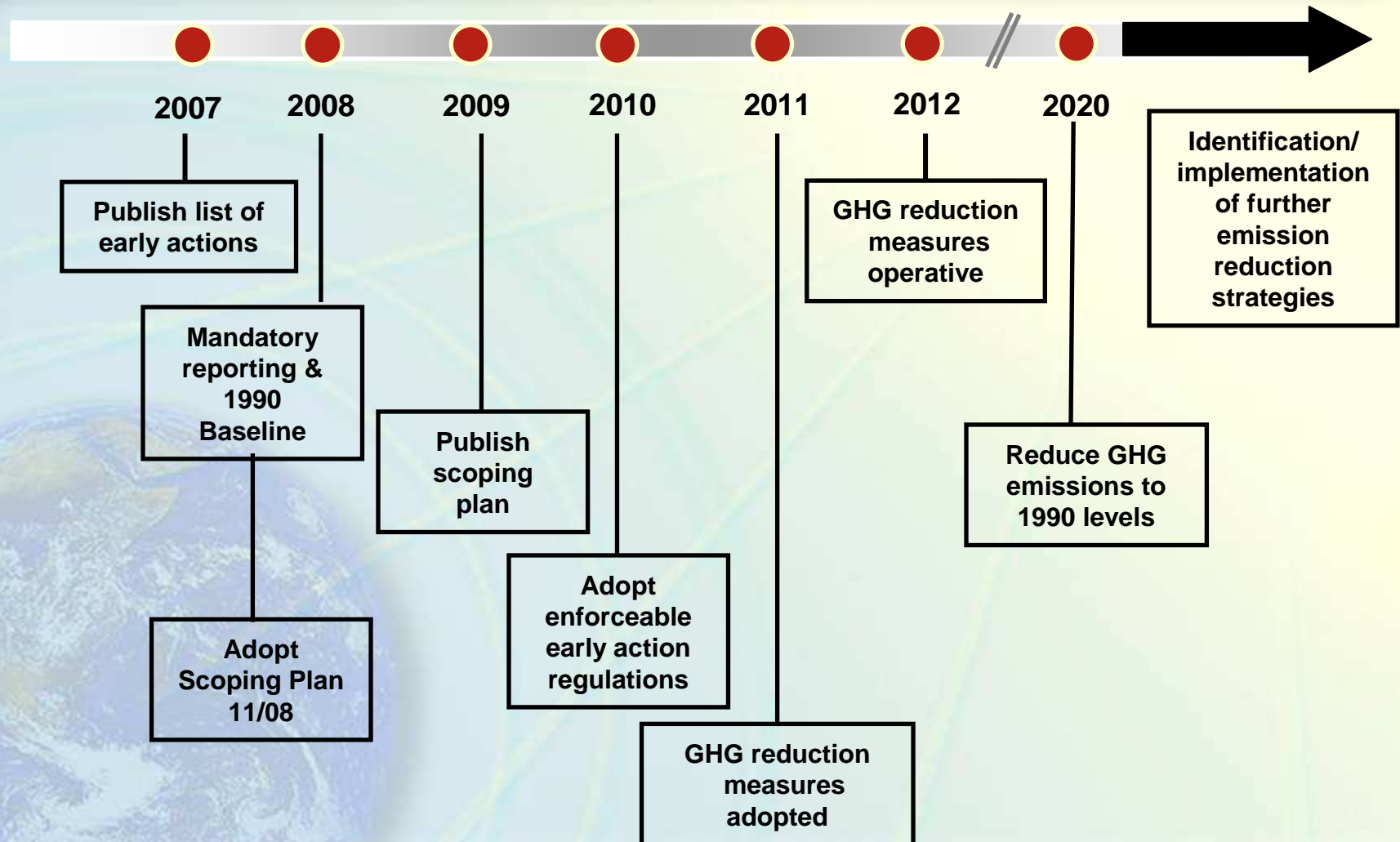


ARB, "California 1990 Greenhouse Gas Emissions Level and 2020 Emissions Limit"  
(2007), [www.arb.ca.gov/cc/ccei/inventory/1990\\_level.htm](http://www.arb.ca.gov/cc/ccei/inventory/1990_level.htm)

# Magnitude of the Challenge



# AB 32 Timeline



## **Accomplished in 2007**

- Set 2020 emission cap at 427 MMT
- Adopted Mandatory Reporting Requirement for major GHG Emitters
- Approval to go ahead with early action items
  - Low Carbon Fuel, Auto Refrigerants, Landfill Gas, Truck Efficiency, Semiconductor Perfluorocarbons, Can Propellants, Tire Inflation, and others
- Forests Protocols – methods to measure amount of GHGs stored in forests
- Adopted port electrification regulation

## Scoping Plan

- Describes how California will reduce GHG emission levels to 1990 levels by 2020
  - Address every sector of the economy
- Provides a vision for a low carbon future - 2020 and 2050
- Maximize benefits to California
  - Criteria and toxic air pollutants reductions
  - Economic development (greentech)
- Must assess economic, environmental, public health and societal impacts in Plan

# Required Evaluations

- **Scoping Plan** (§38561(d))
  - Economic and non-economic costs and benefits to economy, environment and public health
- **Regulations** (§38562(b))
  - No disproportionate impact on low-income communities; complement efforts to achieve AQ standards and reduce toxics; consider overall societal benefits
- **Market-Based Compliance** (§38570(b))
  - Consider direct, indirect, and cumulative impacts including localized impacts; prevent increase in toxics or criteria pollutants
- **Community Benefit Section** (§38565)

# Scoping Plan Measures

- “Core” reductions – about 60% of tons
  - Car standards, low carbon fuel standard, land use, energy efficiency, renewable portfolio standard
- Options for remaining tons
  - Direct regulations
  - Cap and trade program
  - Carbon fees
- Expect positive overall impact on co-pollutants
  - Efficiency and reduced fuel use

# Scoping Plan Evaluations

- Will be available Summer 2008
  - Workshop in August to discuss
- Energy modeling
  - Energy production and use, energy prices, fuel diversity
- Economic modeling
  - Impact on state economy, personal income (by household income), employment, prices

## **Scoping Plan Evaluations (cont.)**

- Environmental evaluation
  - Impact of Draft Plan measures on co-pollutants
  - Comparison of three options
  - Case study?
- Public Health Evaluation
  - Based on environmental evaluation
  - Comparison of three options
- Societal Impacts
  - Fuel diversity
  - Mobility
  - Community benefit section

## Scoping Plan Timeline

- Draft Scoping Plan release: June 26
- Public workshops
  - July 8: Diamond Bar
  - July 14: Fresno
  - July 17: Sacramento
  - August: TBD
- Community meetings - being scheduled
- EJAC meeting: July 29
- Proposed Scoping Plan release: early Oct
- Board considers Proposed Plan: November

# How Else Can You Get Involved?

- Community benefit stakeholder workgroup
- Website:
  - <http://www.arb.ca.gov/cc/cc.htm>
- Contact us directly:
  - Edie: [echang@arb.ca.gov](mailto:echang@arb.ca.gov) (916) 324-2302
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